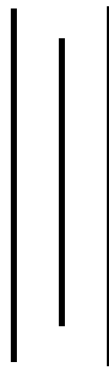


**INVENTORY MANAGEMENT OF SALT TRADING
CORPORATION**

By
MANOJ KUMAR SAH
Shanker Dev Campus
Campus Roll No.: 291/063
T.U Regd. No.: 7-1-14-1133-2000

A Thesis Submitted to:
Office of the Dean
Faculty of Management
Tribhuvan University



*In partial fulfillment of the requirement for the degree of
Master of Business Studies (MBS)*

Kathmandu, Nepal
September 2010

RECOMMENDATION

This is to certify that the Thesis

Submitted by:

MANOJ KUMAR SAH

Entitled:

**INVENTORY MANAGEMENT OF SALT TRADING
CORPORATION**

*has been prepared as approved by this Department in the prescribed format of the
Faculty of Management. This thesis is forwarded for examination.*

.....
Joginder Goet
(Thesis Supervisor)

.....
Prof. Bishweshor Man Shrestha
(Head, Research Department)

.....
Prof. Dr. Kamal Deep Dhakal
(Campus Chief)

VIVA-VOCE SHEET

We have conducted the viva –voce of the thesis presented

By

MANOJ KUMAR SAH

Entitled:

**INVENTORY MANAGEMENT OF SALT TRADING
CORPORATION**

And found the thesis to be the original work of the student and written according to the prescribed format. We recommend the thesis to be accepted as partial fulfillment of the requirement for the degree of

Master of Business Studies (MBS)

Viva-Voce Committee

Head, Research Department

Member (Thesis Supervisor)

Member (External Expert)

DECLARATION

I hereby declare that the work reported in this thesis entitled "**Inventory Management of Salt Trading Corporation**" submitted to Office of the Dean, Faculty of Management, Tribhuvan University, is my original work done in the form of partial fulfillment of the requirement for the Master's Degree in Business Study (M.B.S.) under the supervision of Joginder Goet of Shanker Dev Campus.

.....
Manoj Kumar Sah
Shanker Dev Campus
Campus Roll No.:... 291/063
T.U Regd. No.: 7-1-14-1133-2000

ACKNOWLEDGEMENT

This study report is prepared as a dissertation for the partial fulfillment of the requirement for the Master of Degree in Business Studies course. It has been tried to analyze the Inventory Management and its effects on Cash Flow of Salt Trading Corporation.

I would like to express my indebted gratitude to my supervisor, **Joginder Goet** of Shanker Dev Campus, for his valuable guidance, suggestion, cooperation and pleasurable inspiration in this regard. I would like to express my sincere thanks to the teachers who helped me by giving orientation classes about thesis writing, without which the completion of this study would not have been possible.

I am also very grateful and express my heartfelt thanks to all the senior officers of Salt Trading Corporation (STC) specially Mrs. Maya Bimali who helped me a lot, by providing necessary data and required information for the study. Similarly, sincere thank goes to all the staff of library of Shanker Dev Campus and to my friends, colleagues and my family for their continuous inspirations, support and encouragement.

Manoj Kumar Sah

TABLE OF CONTENTS

Recommendation	
Viva-Voce Sheet	
Declaration	
Acknowledgement	
Table of Contents	
List of Tables	
List of Figures	
Abbreviations	
	Page No.
CHAPTER-I INTRODUCTION	
1.1 Background of the Study	1
1.2 Introduction of the Organization	2
1.3 Statement of the Problem	3
1.4 Objectives of the Study	3
1.5 Significance of the Study	4
1.6 Limitations of the Study	4
1.7 Organization of the Study	4
CHAPTER-II REVIEW OF LITERATURE	
2.1 Inventory	6
2.2 Types of Inventory	7
2.3 Objectives of the Inventory Management	8
2.4 Need and Importance of Inventory Management	10
2.5 Costs Associated with Inventory	11
2.6 Technical Formulation	13
2.7 Inventory Control System	14
2.8 Techniques of Inventory Control	14
2.9 Economic Order Quantity (EOQ)	17
2.9.1 Introduction	17
2.9.2 Determine of Economic Order Quantity	18
2.10 System of Ordering (When to Order)	20
2.11 Always Better Control (ABC) Analysis	21
2.12 Just In Time (JIT) Inventory System	24
2.13 Inventory System	24
2.14 Safety Stock	25
2.15. Perpetual Inventory System	26
2.16. Comparison of the Periodic and Perpetual Inventory	27
2.17. Introduction of Cash Flow and Cash Flow Statement	27
2.18. Importance of Cash Flow and Cash Flow Statement	28
2.19. Objectives of Cash Flow Statement	29
2.20 Review of Previous Research Works	30
2.21 Research Gap	36
CHAPTER-III RESEARCH METHODOLOGY	
3.1 Research Design	37

3.2 Sources of Data	37
3.3 Method of Data Analysis and Presentation	37
3.3.1 Ratio Analysis	38
3.3.2 Inventory Turnover Ratio	38
3.3.3 Inventory Holding Days (IHD)	39
3.3.4 Trend Analysis	39
3.3.5 Correlation Coefficient and Regression Analysis	39

CHAPTER-IV DATA PRESENTATION AND ANALYSIS

4.1 Analysis of Secondary Data	42
4.1.1 Inventory to Net Sales Ratio	42
4.1.2 Current Ratio	43
4.1.3 Quick Ratio	45
4.1.4 Inventory to Total Assets Ratio	47
4.1.5 Inventory to Current Assets Ratio	48
4.1.6 Inventory to Net Profit Ratio	50
4.1.7 Inventory Turnover Ratio (ITR)	51
4.1.8 Inventory Holding Days (IHD)	53
4.1.9 Relationship between Inventory and Cash Flow	55
4.1.10 Trend Analysis	57
4.1.10.1 Trend Analysis of Net Sales and Inventory	57
4.1.10.2 Trend Analysis of Purchases and Inventories	58
4.1.10.3 Trend Analysis of Net Profit and Inventory	61
4.1.10.4 Trend Analysis of Net Sales and Purchases	63
4.1.10.5 Trend Analysis of Cash Flow and Inventory	65
4.1.11 Correlation and Regression	66
4.1.11.1 Regression and Correlation Analysis of Inventory and Net Sales	66
4.1.11.2 Regression and Correlation Analysis of Inventory and Net Profit	67
4.1.11.3 Regression and Correlation Analysis of Inventory and Purchase	68
4.1.11.4 Regression and Correlation Analysis of Purchase and Net Sales	69
4.1.11.5 Regression and Correlation Analysis of Inventory and Cash Flow	70
4.2 Major Findings	71

CHAPTER-V SUMMARY, CONCLUSION AND RECOMMENDATION

5.1 Summary	73
5.2 Conclusion	73
5.3 Recommendation	75

BIBLIOGRAPHY

APPENDICES

LIST OF TABLES

Table No.	Title	Page No.
4.1	Inventory to Net Sales Ratio	42
4.2	Current ratio	44
4.3	Quick Ratio	46
4.4	Inventory to Total Assets Ratio	47
4.5	Inventory to Current Assets Ratio	49
4.6	Inventory to Net Profit Ratio	50
4.7	Inventory Turnover Ratio	52
4.8	Inventory Holding Days	54
4.9	Effects of Changes of inventory in Cash Flow	56
4.10	Net Sales and Inventory	57
4.11	Relationship between Net sales and Inventory	58
4.12	Purchases and Inventory	59
4.13	Relationship Between Purchase and Inventories	60
4.14	Net Profit and Inventory	61
4.15	Relationship Between Net Profit and Inventory	62
4.16	Net Sales and Purchases	63
4.17	Relationship between Purchase and Sales	64
4.18	Cash Flow and Change in Inventory	65

LIST OF FIGURES

Figures No.	Title	Page No.
2.1	Graphic Approach	20
2.2	Presentation of ABC Analysis	23
2.3	Relationship of Fixed Order Size and Safety Stock	26
4.1	Sales and Inventory	43
4.2	Current Assets and Current Liabilities	45
4.3	Quick Ratio	46
4.4	Inventory to Total Assets Ratio	48
4.5	Inventory to Current Assets Ratio	49
4.6	Trend of Inventory to Net Profit Ratio	51
4.7	Trend of Inventory Turnover Ratio	53
4.8	Inventory Holding Days	55
4.9	Relationship between Cash Flow and Inventory	57
4.10	Trend of Purchase, Net Sales and Inventory	60
4.11	Trend of Net Profit and Sales	62
4.12	Total Purchases and Net Sales	64
4.13	Cash Flow and Cash Change in Inventory	66

ABBREVIATIONS

AIC	:	Agriculture Input Corporation
BNL	:	Bottlers Nepal Limited
CEDA	:	Central Economics Department of Administration
CIE-	:	Control by Importance and Exception
COGS	:	Cost of Goods Sold
CR	:	Current Ratio
CV	:	Co-efficient of Variation
DDC	:	Dairy Development Corporation
EOQ	:	Economic Order Quantity
FIFO	:	First In First Out
HMG	:	His Majesty Government
IHD	:	Inventory Holding Days
ITR	:	Inventory Turnover Ratio
JIT	:	Just In Time
LIFO	:	Last In First Out
PE	:	Probable Error
QR	:	Quick Ratio
RDL	:	Royal Drugs Limited
S.D.	:	Standard Deviation
SGML	:	Sitaram Gokul Milk Limited
STC	:	Salt Trading Corporation
TAR	:	Total Assets Ratio
UNL	:	Unilever Nepal Limited
NEBICO	:	Biscuits and Confectionary Limited